

Title (en)

Zr-BASED COMPOSITE CERAMIC MATERIAL, PREPARATION METHOD THEREOF, AND SHELL OR DECORATION

Title (de)

ZR-BASIERTES KERAMIKMATERIAL, HERSTELLUNGSVERFAHREN DAFÜR UND SCHALE ODER DEKORATION

Title (fr)

MATÉRIAU CÉRAMIQUE COMPOSITE À BASE DE ZR, SON PROCÉDÉ DE PRÉPARATION, ET ENVELOPPE OU DÉCORATION

Publication

**EP 3383825 A4 20181121 (EN)**

Application

**EP 16869900 A 20161123**

Priority

- CN 201510863961 A 20151130
- CN 2016106863 W 20161123

Abstract (en)

[origin: WO2017092590A1] A Zr-based composite ceramic material, a preparation method thereof, and a shell or decoration are provided. The Zr-based composite ceramic material includes a zirconia matrix, a cubic  $\text{Sr}_{0.82}\text{NbO}_3$  stable phase, a  $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$  phase, and a  $\text{SrAl}_{12}\text{O}_{19}$  phase, and the cubic  $\text{Sr}_{0.82}\text{NbO}_3$  stable phase, the  $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$  phase and the  $\text{SrAl}_{12}\text{O}_{19}$  phase are dispersed within the zirconia matrix.

IPC 8 full level

**C04B 35/48** (2006.01); **C04B 35/486** (2006.01); **C04B 35/622** (2006.01); **C04B 35/626** (2006.01); **C04B 35/634** (2006.01)

CPC (source: EP KR US)

**C04B 35/48** (2013.01 - US); **C04B 35/486** (2013.01 - EP US); **C04B 35/488** (2013.01 - KR); **C04B 35/6261** (2013.01 - EP KR US); **C04B 35/62615** (2013.01 - EP US); **C04B 35/62625** (2013.01 - KR); **C04B 35/62655** (2013.01 - EP KR US); **C04B 35/62685** (2013.01 - EP US); **C04B 35/63416** (2013.01 - EP US); **C04B 35/63488** (2013.01 - EP US); **C04B 35/64** (2013.01 - US); **C04B 2235/3212** (2013.01 - EP US); **C04B 2235/3213** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - KR); **C04B 2235/3222** (2013.01 - EP US); **C04B 2235/3225** (2013.01 - EP US); **C04B 2235/3246** (2013.01 - US); **C04B 2235/3251** (2013.01 - EP US); **C04B 2235/3255** (2013.01 - KR US); **C04B 2235/442** (2013.01 - EP KR US); **C04B 2235/447** (2013.01 - KR US); **C04B 2235/602** (2013.01 - US); **C04B 2235/604** (2013.01 - EP KR US); **C04B 2235/6562** (2013.01 - EP US); **C04B 2235/6565** (2013.01 - EP US); **C04B 2235/6567** (2013.01 - EP US); **C04B 2235/661** (2013.01 - EP KR US); **C04B 2235/85** (2013.01 - EP US); **C04B 2235/94** (2013.01 - EP US); **C04B 2235/9661** (2013.01 - EP US)

Citation (search report)

- [A] PRASADARAO A V ET AL: "FABRICATION OF  $\text{Sr}_{2}\text{Nb}_{2}\text{O}_7$  THIN FILMS BY SOL-GEL PROCESSING", JOURNAL OF MATERIALS RESE, MATERIALS RESEARCH SOCIETY, WARRENDALE, PA, US, vol. 10, no. 3, 1 March 1995 (1995-03-01), pages 704 - 707, XP008000250, ISSN: 0884-2914
- See references of WO 2017092590A1

Designated contracting state (EPC)

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BA ME

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